

**DATA SHEET****Alexa Fluor 700 anti-mouse CD45 Antibody****Code Number#21-103127****Pack Size: 100 µg****Clone:** 30-F11**Isotype:** Rat IgG2b, κ

**Description:** CD45 is a 180-240 kD glycoprotein also known as the leukocyte common antigen (LCA), T200, or Ly-5. It is a member of the protein tyrosine phosphatase (PTP) family, expressed on all hematopoietic cells except mature erythrocytes and platelets. There are different isoforms of CD45 that arise from variable splicing of exons 4, 5, and 6, which encode A, B, and C determinants, respectively. CD45 plays a key role in TCR and BCR signal transduction. These isoforms are very specific to the activation and maturation state of the cell as well as cell type. The primary ligands for CD45 are galectin-1, CD2, CD3, CD4, TCR, CD22, and Thy- 1.

**Reactivity:** Mouse**Antibody Type:** Monoclonal**Host Species:** Rat**Immunogen:** Mouse thymus or spleen**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

**Preparation:** The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 700 under optimal conditions.

**Concentration:** 0.5 mg/ml

**Storage & Handling:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

**Application:** FC - Quality tested**For in-vitro diagnostic use. Not for human or animal consumption.**